

Title (en)
Controlled release oxycodone compositions

Title (de)
Oxycodonzusammensetzungen mit kontrollierter Freisetzung

Title (fr)
Compositions d'oxycodone à libération contrôlée

Publication
EP 2289517 A2 20110302 (EN)

Application
EP 10181116 A 19921125

Priority
• EP 07100187 A 19921125
• EP 04005576 A 19921125
• EP 03006020 A 19921125
• EP 02008249 A 19921125
• EP 96102992 A 19921125
• EP 92925406 A 19921125
• US 80054991 A 19911127

Abstract (en)
A method for substantially reducing the range in daily dosages required to control pain in approximately 80% of patients is disclosed whereby an oral solid controlled release dosage formulation having from about 10 to about 40 mg-of oxycodone or a salt thereof is administered to a patient. The formulation provides a mean maximum plasma concentration of oxycodone from about 6 to about 60 ng/ml from a mean of about 2 to about 4.5 hours after administration, and a mean minimum plasma concentration from about 3 to about 30 ng/ml from about 10 to about 14 hours after repeated "q12h" (i.e., every 12 hours) administration through steady-state conditions. Another embodiment is directed to a method for substantially reducing the range in daily dosages required to control pain in substantially all patients. The figure is a graph showing the mean plasma oxycodone concentration for a 10 mg controlled release oxycodone formulation prepared in accordance with the present invention and a study reference standard.

IPC 8 full level
A61K 9/16 (2006.01); **A61K 31/485** (2006.01); **A61K 9/20** (2006.01); **A61K 9/22** (2006.01); **A61K 9/26** (2006.01); **A61K 9/28** (2006.01); **A61K 9/30** (2006.01); **A61K 9/58** (2006.01); **A61K 47/30** (2006.01); **A61K 47/32** (2006.01); **A61K 47/38** (2006.01); **A61K 47/44** (2017.01); **A61P 25/04** (2006.01)

IPC 8 main group level
A61K (2006.01); **A61P** (2006.01)

CPC (source: EP US)
A61K 9/2013 (2013.01 - EP US); **A61K 9/2027** (2013.01 - EP US); **A61K 9/2054** (2013.01 - EP US); **A61K 9/2081** (2013.01 - EP US); **A61K 9/5015** (2013.01 - EP US); **A61K 31/485** (2013.01 - EP US); **A61P 25/04** (2017.12 - EP)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9310765 A1 19930610; AT E144418 T1 19961115; AT E226822 T1 20021115; AT E261725 T1 20040415; AT E261726 T1 20040415; AT E261727 T1 20040415; AT E332691 T1 20060815; AT E360421 T1 20070515; AT E365041 T1 20070715; AT E454150 T1 20100115; AU 3147693 A 19930628; AU 657027 B2 19950223; BG 61753 B1 19980529; BG 97973 A 19940527; BR 9205498 A 19940607; CA 2098738 A1 19930528; CA 2098738 C 19990817; CN 1087262 A 19940601; CN 1165307 C 20040908; CN 1245958 C 20060322; CN 1364458 A 20020821; CZ 176493 A3 19940413; CZ 286913 B6 20000816; CZ 292849 B6 20031217; CZ 298499 B6 20071017; CZ 300183 B6 20090311; DE 69214802 D1 19961128; DE 69214802 T2 19970507; DE 69232837 D1 20021205; DE 69232837 T2 20030618; DE 69232837 T3 20140102; DE 69233326 D1 20040422; DE 69233326 T2 20050310; DE 69233327 D1 20040422; DE 69233327 T2 20050310; DE 69233328 D1 20040422; DE 69233328 T2 20050310; DE 69233328 T3 20080207; DE 69233640 D1 20060824; DE 69233640 T2 20070614; DE 69233691 D1 20070606; DE 69233691 T2 20080124; DE 69233699 D1 20070802; DE 69233699 T2 20080228; DE 69233778 D1 20100225; DE 9219234 U1 20010329; DK 0576643 T3 19970421; DK 0576643 T5 20041122; DK 0722730 T3 20021125; DK 0722730 T4 20131118; DK 0722730 T5 20030331; DK 1258246 T3 20040705; DK 1325746 T3 20061106; DK 1327445 T3 20040726; DK 1327446 T3 20040802; DK 1327446 T4 20071217; DK 1438959 T3 20070917; DK 1502592 T3 20071022; DK 1810679 T3 20100208; DK 200000364 U3 20010323; EP 0576643 A1 19940105; EP 0576643 A4 19940318; EP 0576643 B1 19961023; EP 0722730 A1 19960724; EP 0722730 B1 20021030; EP 0722730 B2 20130807; EP 1258246 A2 20021120; EP 1258246 A3 20030108; EP 1258246 B1 20040317; EP 1325746 A1 20030709; EP 1325746 B1 20060712; EP 1327445 A1 20030716; EP 1327445 B1 20040317; EP 1327446 A1 20030716; EP 1327446 B1 20040317; EP 1327446 B2 20070822; EP 1438959 A1 20040721; EP 1438959 B1 20070425; EP 1502592 A1 20050202; EP 1502592 B1 20070620; EP 1774969 A2 20070418; EP 1774969 A3 20071003; EP 1810679 A2 20070725; EP 1810679 A3 20071003; EP 1810679 B1 20100106; EP 2106796 A2 20091007; EP 2106796 A3 20091104; EP 2106797 A2 20091007; EP 2106797 A3 20091104; EP 2243484 A2 20101027; EP 2243484 A3 20120111; EP 2289517 A2 20110302; EP 2289517 A3 20120704; EP 2289517 B1 20140507; EP 2340833 A2 20110706; EP 2340833 A3 20120912; ES 2096781 T3 19970316; ES 2186737 T3 20030516; ES 2186737 T5 20140117; ES 2213720 T3 20040901; ES 2215983 T3 20041016; ES 2215984 T3 20041016; ES 2215984 T5 20080316; ES 2268189 T3 20070316; ES 2286523 T3 20071201; ES 2287625 T3 20071216; ES 2339392 T3 20100519; FI 113152 B 20040315; FI 116658 B 20060131; FI 118250 B 20070914; FI 118251 B 20070914; FI 118252 B 20070914; FI 20031888 A 20031222; FI 20031889 A 20031222; FI 20031890 A 20031222; FI 20031891 A 20031222; FI 933330 A0 19930723; FI 933330 A 19930723; GR 3022273 T3 19970430; HK 1051803 A1 20030822; HK 1058474 A1 20040521; HK 1059209 A1 20040625; HK 1059210 A1 20040625; HK 1068004 A1 20050422; HK 1073255 A1 20050930; HU 0302920 D0 20031128; HU 0303097 D0 20031128; HU 0400224 D0 20040428; HU 0400225 D0 20040428; HU 0400226 D0 20040428; HU 0400227 D0 20040428; HU 0400357 D0 20040428; HU 0401532 D0 20040928; HU 224075 B1 20050530; HU 226929 B1 20100301; HU 227514 B1 2010728; HU 227515 B1 2010728; HU 227516 B1 20110728; HU 227517 B1 20110728; HU 227518 B1 20110728; HU 227815 B1 20120328; HU 228058 B1 20120928; HU 9301517 D0 19930928; HU T69401 A 19950928; IL 103909 A0 19930404; IL 103909 A 19960912; JP 2002370983 A 20021224; JP 3375960 B2 20030210; JP 4016074 B2 20071205; JP H06507645 A 19940901; KR 100280973 B1 20010201; MX 9302968 A 19940531; NO 20041662 L 19930924; NO 20041667 L 19930924; NO 20041939 L 19930527; NO 20043264 L 19930924; NO 307028 B1 20000131; NO 307028 B3 20090525; NO 318890 B1 20050518; NO 322378 B1 20060925; NO 323334 B1 20070326; NO 325483 B1 20080513; NO 932661 D0 19930723; NO 932661 L 19930924; NO 996447 D0 19991223; NO 996447 L 19930924; PH 31679 A 19990118; PL 172236 B1 19970829; PL 173574 B1 19980331; PT 1258246 E 20040630;

PT 1325746 E 20061130; PT 1327445 E 20040730; PT 1327446 E 20040630; PT 1438959 E 20070719; PT 1502592 E 20070917;
PT 1810679 E 20100218; PT 722730 E 20030331; RO 115112 B1 19991130; RS 50054 B 20081128; RS 50055 B 20081128;
RS 50056 B 20081128; RU 2122411 C1 19981127; SK 280295 B6 19991108; SK 92293 A3 19940406; US 2001008639 A1 20010719;
US 2002018810 A1 20020214; US 2003099704 A1 20030529; US 2004096500 A1 20040520; US 2004105887 A1 20040603;
US 2004185098 A1 20040923; US 2006057210 A1 20060316; US 2006099255 A1 20060511; US 2006165791 A1 20060727;
US 2006165792 A1 20060727; US 5266331 A 19931130; US 5508042 A 19960416; US 5549912 A 19960827; YU 35893 A 19970307;
YU 49495 B 20060817; ZA 929227 B 19930712

DOCDB simple family (application)

US 9210146 W 19921125; AT 02008249 T 19921125; AT 03006020 T 19921125; AT 03006021 T 19921125; AT 03006022 T 19921125;
AT 04005576 T 19921125; AT 04026291 T 19921125; AT 07100188 T 19921125; AT 92925406 T 19921125; AT 96102992 T 19921125;
AU 3147693 A 19921125; BG 9797393 A 19930720; BR 9205498 A 19921125; CA 2098738 A 19921125; CN 01135452 A 19930525;
CN 93106378 A 19930525; CS 20032327 A 19921125; CS 20041129 A 19921125; CZ 115399 A 19990401; CZ 176493 A 19921125;
DE 69214802 T 19921125; DE 69232837 T 19921125; DE 69233326 T 19921125; DE 69233327 T 19921125; DE 69233328 T 19921125;
DE 69233640 T 19921125; DE 69233691 T 19921125; DE 69233699 T 19921125; DE 69233778 T 19921125; DE 9219234 U 19921125;
DK 02008249 T 19921125; DK 03006020 T 19921125; DK 03006021 T 19921125; DK 03006022 T 19921125; DK 04005576 T 19921125;
DK 04026291 T 19921125; DK 07100188 T 19921125; DK 92925406 T 19921125; DK 96102992 T 19921125; DK BA200000364 U 20001208;
EP 02008249 A 19921125; EP 03006020 A 19921125; EP 03006021 A 19921125; EP 03006022 A 19921125; EP 04005576 A 19921125;
EP 04026291 A 19921125; EP 07100187 A 19921125; EP 07100188 A 19921125; EP 09164375 A 19921125; EP 09164377 A 19921125;
EP 10165398 A 19921125; EP 10181116 A 19921125; EP 10181156 A 19921125; EP 92925406 A 19921125; EP 96102992 A 19921125;
ES 02008249 T 19921125; ES 03006020 T 19921125; ES 03006021 T 19921125; ES 03006022 T 19921125; ES 04005576 T 19921125;
ES 04026291 T 19921125; ES 07100188 T 19921125; ES 92925406 T 19921125; ES 96102992 T 19921125; FI 20031888 A 20031222;
FI 20031889 A 20031222; FI 20031890 A 20031222; FI 20031891 A 20031222; FI 933330 A 19930723; GR 970400044 T 19970114;
HK 03102581 A 20030409; HK 04100076 A 20030409; HK 04100077 A 20030409; HK 04100081 A 20030409; HK 05100220 A 20030409;
HK 05105981 A 20030409; HU 0302920 A 19921125; HU 0303097 A 19921125; HU 0400224 A 19921125; HU 0400225 A 19921125;
HU 0400226 A 19921125; HU 0400227 A 19921125; HU 0400357 A 19921125; HU 0401532 A 19921125; HU 4000227 A 19921125;
HU 9301517 A 19921125; IL 10390992 A 19921127; JP 2002169981 A 20020611; JP 51022393 A 19921125; KR 930702201 A 19930723;
MX 9302968 A 19921125; NO 20041662 A 20040422; NO 20041667 A 20040422; NO 20041939 A 20040422; NO 20043264 A 20040804;
NO 932661 A 19930723; NO 996447 A 19991223; PH 46222 A 19930521; PL 30014592 A 19921125; PL 31583592 A 19921125;
PT 02008249 T 19921125; PT 03006020 T 19921125; PT 03006021 T 19921125; PT 03006022 T 19921125; PT 04005576 T 19921125;
PT 04026291 T 19921125; PT 07100188 T 19921125; PT 96102992 T 19921125; RO 9300878 A 19921125; RU 93051780 A 19921125;
SK 92293 A 19921125; US 16348402 A 20020605; US 20714405 A 20050817; US 30355305 A 20051216; US 33263206 A 20060112;
US 33264406 A 20060112; US 46758495 A 19950606; US 70637103 A 20031112; US 70649603 A 20031112; US 78488801 A 20010216;
US 80054991 A 19911127; US 80976604 A 20040324; US 8130293 A 19930618; US 93341101 A 20010820; YU 35893 A 19930521;
YU 40805 A 19930521; YU 40905 A 19930521; YU 41005 A 19930521; ZA 929227 A 19921127